

WHAT IS CLAIMED IS:

1. A method of controlling packet data traffic between a wireless network
5 and a wireless device on a primary link, the method comprising:
 setting primary link traffic flow template filter parameters at a packet
control module;
 comparing incoming packet data against the primary link traffic flow
template filter parameters; and
10 controlling how the incoming packet data is sent to the wireless device
over the primary link based on comparing incoming packet data against the primary
link traffic flow template filter parameters.
2. The method according to claim 1, further comprising receiving a
15 primary packet data protocol link request message including a traffic flow template
information element,
 wherein setting further comprises setting primary link traffic flow
template filter parameters based on the received traffic flow template information
element.
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3. The method according to claim 1, wherein controlling comprises
blocking the incoming packet data from being sent to the wireless device based on a
packet data source address being listed as a disallowed source address in the traffic
flow template filter parameters.
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4. The method according to claim 1, wherein controlling comprises
blocking the incoming packet data from being sent to the wireless device based on a
packet data source address being listed in a range of disallowed data source addresses
in the traffic flow template filter parameters.
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5. The method according to claim 1, wherein controlling comprises
blocking the incoming packet data from being sent to the wireless device based on a
packet data source address not being listed as an allowed source address in the traffic
flow template filter parameters.

6. The method according to claim 1, wherein controlling comprises blocking the incoming packet data from being sent to the wireless device based on a packet data source address not being listed in a range of allowed data source addresses
5 in the traffic flow template filter parameters.

7. The method according to claim 1, wherein controlling comprises redirecting the incoming packet data from being sent to the wireless device on a primary link based on a packet data source address being listed as a redirection source
10 address in the traffic flow template filter parameters.

8. The method according to claim 1, wherein the network gateway comprises a gateway general packet radio service support node.

9. The method according to claim 1, further comprising receiving a primary packet data protocol link request message including a traffic flow template information element, a activate packet data protocol context request message identity element, and a requested packet data protocol address element,
15 wherein setting further comprises setting primary link traffic flow template filter parameters based on the received traffic flow template information element.
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10. The method according to claim 1, wherein each filter parameter of the primary link traffic flow template filter parameters include an evaluation precedence
25 identifier.

11. The method according to claim 1, further comprising:
receiving a modify primary packet data protocol link request message, the modify primary packet data protocol link request message including a new traffic
30 flow template element; and
modifying the primary link traffic flow template filter parameters based on the new traffic flow template element.

12. A method in a wireless device of controlling packet data traffic between a wireless network and a wireless device on a primary link, the method comprising:

5 sending a primary packet data protocol link request message including a traffic flow template information element; and

receiving a primary packet data protocol link acknowledgement including an Internet protocol address.

10 13. The method according to claim 12, wherein the primary packet data protocol link request message also includes an activate packet data protocol context request message identity element and a requested packet data protocol address element.

15 14. The method according to claim 12, further comprising sending a modify primary packet data protocol link request message targeted to a primary packet data protocol link, the modify primary packet data protocol link request message including a new traffic flow template information element.

20 15. The method according to claim 12, wherein the traffic flow template information element includes packet filters for controlling how incoming packet data is sent to the wireless device over the primary link based on comparing incoming packet data against the traffic flow template information element packet filters.

25 16. The method according to claim 12, wherein the traffic flow template information element includes packet filters for blocking incoming packet data from being sent to the wireless device over the primary link based on comparing an incoming packet data source address against the traffic flow template information element packet filters.

30 17. The method according to claim 12, wherein the traffic flow template information element includes packet filters for blocking incoming packet data from being sent to the wireless device over the primary link based on comparing an incoming packet data source address against a range of addresses in the traffic flow template information element packet filters.

18. The method according to claim 12, wherein the traffic flow template information element includes packet filters for allowing incoming packet data to be sent to the wireless device over the primary link based on comparing an incoming packet data source address against the traffic flow template information element packet filters.

19. The method according to claim 12, wherein the traffic flow template information element includes packet filters for redirecting incoming packet data to a link other than the wireless device primary link based on comparing an incoming packet data source address against the traffic flow template information element packet filters.

20. The method according to claim 12, wherein each filter parameter of the primary link traffic flow template filter parameters include an evaluation precedence identifier.

21. A network gateway, comprising:
a packet data protocol primary link information module, the packet data protocol primary link information module including traffic flow template information related to controlling which packets of data are sent to a wireless device
5 on a primary link; and

a traffic flow template packet control module coupled to the packet data protocol primary link information module, the traffic flow template packet control module configured to control which packets of data are sent to a wireless device on the primary link based on the traffic flow template information.

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22. The network gateway according to claim 21, wherein the traffic flow template information includes at least one disallowed address for blocking packets of data received from the at least one disallowed address and allowing packets of data from other addresses to be sent to the wireless device.

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23. The network gateway according to claim 21, wherein the traffic flow template information includes at least one range of addresses for controlling the routing of packets of data received from the at least one range of addresses.

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24. The network gateway according to claim 21, wherein the traffic flow template information includes at least addresses the at least one address comprising at least one of a universal resource locator address and an Internet protocol address.

25. The network gateway according to claim 21, wherein the traffic flow template packet control module is further configured to receive a primary packet data protocol link request message including a traffic flow template information element and set the traffic flow template information based on the received traffic flow template information element.

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26. The network gateway according to claim 21, wherein the traffic flow template packet control module is further configured to receive a primary packet data protocol link modify message including a new traffic flow template information element and set the traffic flow template information based on the new traffic flow template information element.